



Electronic

Etimol SW 25/FD RAN

Cat.-no. 5120

SMT-Stencil cleaner "Fast Drying" and "Ready-To-Use"
(including automatic equipment)

Electronics cleaner:

Water-based with solvent additives, neutral / Short drying time (very quick drying)
(Free from short-chain alcohols: isopropyl alcohol, methyl alcohol, etc...) / Low VOC

WEEE/RoHS-compliant



Etimol SW 25/FD RAN is a neutral, water-based electronics cleaner with a "Fast Drying System" and special organic solvent additives.

Designed for ready-to-use cleaning applications, it effectively removes flux, paste, and general soldering residues. This cleaner was developed as an alternative to conventional electronics cleaners and is free of standard alcohols and toxic solvents such as isopropyl alcohol, methanol, NEP, MEP, etc..

Etimol SW 25/FD RAN is characterized by its short drying time (very fast drying) and mild odor, even at temperatures up to 60°C.

Etimol SW 25/FD RAN is a water-based stencil cleaning fluid specifically designed to clean solder paste, uncured SMT adhesive and flux residue from stencils, mis-printed PCBs, stencil tools and printing squeegees. **Etimol SW 25/FD RAN** can be used in automated understencil wipe processes, hand-wipe, and ultrasonic cleaning systems as well as spray systems designed for solvent.

Etimol SW 25/FD RAN has a mild odor, quickly dissolves all flux constituents within the solder paste and will not adversely affect stencils that have been nano-coated. **Etimol SW 25/FD RAN** has been proven compatible with all wetted components in automated understencil wipe systems and approved for use by several printer manufactures. **Etimol SW 25/FD RAN** is fast drying without leaving behind any residue.

The special water-based formulation was specially developed to ensure a high level of occupational safety in combination with the resulting high flash point.

Etimol SW 25/FD RAN supports the elimination of flammable and hazardous solvents from the production area.

Our electronics cleaner consists exclusively of highly pure substances and is free of impurities. These have been specifically selected for electronics manufacturing and do not cause corrosion.

Etimol SW 25/FD RAN is compatible with all materials commonly used in electronic assembly manufacturing and cleaning processes.

Technical specifications:

RoHS:	Compliant
WEEE:	Compliant
Appearance:	Colourless, transparent, liquid
Density (20° C):	0,96 – 0,99 g/ml
pH-value:	Neutral (water-based, acid-free, base-free (alkaline))
Halogen-Content:	0 % (halogen and halide free)

System:	Water-based with solvent additives
Solvents:	Special organic alcohol mixture substances, free of standard alcohols and toxic solvents, free from isopropyl alcohol, methyl alcohol, NEP, MEP etc.

EMIL OTTO
Flux- und Oberflächentechnik GmbH
D-65346 Eltville – Eltviller Landstr. 22

Tel.: +49 (0)6123 / 70 46 0 – Fax: +49 (0)6123 / 70 46 15



The above described attributes are average values. They are meant solely for your information and are no specifications as such. These instructions of use are without obligation and do not exempt our customers from their own trials of suitability for their own purposes.



Etimol SW 25/FD RAN

Cat.-no. 5120

SMT-Stencil cleaner "Fast Drying" and "Ready-To-Use"
(including automatic equipment)

Electronics cleaner:

Water-based with solvent additives, neutral / Short drying time (very quick drying)
(Free from short-chain alcohols: isopropyl alcohol, methyl alcohol, etc...) / Low VOC

WEEE/RoHS-compliant



VOC: Low VOC = 10%
Boiling point / range: >100°C
Flash point: >65°C (82°C)

Reliable cleaning results with:
(SMT-Stencil cleaning process) Flux residues, paste residues, resin/rosin, waxes,
condensate from PCB boards, leaded, lead-free,
SMT-adhesives

Recommended application: "Ready-To-Use": Manual cleaning, automatic-fully automatic
cleaning, cleaning in an ultrasonic bath up to 60°C

Shelf life: 36 months

Storage conditions (recommended): Store in a cool and dry place (5°C – 25°C)
Working temperature: Usually: 10 – max. 61 °C
Transportation: No dangerous goods

Additional information on the ingredients (hazardous substances), safe handling, storage, transport and disposal
can be found in the current safety data sheet (SDS, SDS, MSDS).

Customer benefits:

- For direct application (extra dilution necessary) "Ready-To-Use"
- Water-based (with DI-water) formulation
- Highly effective cleaning results
- Multi-purpose applications
- High spectrum of activity
- Gentle on systems and materials used
- Low odor / Low VOC
- Not aggressive towards electronic components
- Formulation consists of highly pure individual components
- Contains no halogen or halide compounds
- Free from phosphorus, sulfur and nitrogen compounds
- Acid and base free (pH neutral)
- Free from highly flammable solvents
- Contains no corrosive and toxic chemicals
(No caustic -corrosive- chemicals in maintenance cleaning operations)
- No dangerous goods
- Completely miscible with DI water
- Storage stable
- Minimum durability of 36 months
- Excellent drying properties

EMIL OTTO
Flux- und Oberflächentechnik GmbH
D-65346 Eltville – Eltviller Landstr. 22

Tel.: +49 (0)6123 / 70 46 0 – Fax: +49 (0)6123 / 70 46 15





Electronic

Etimol SW 25/FD RAN

Cat.-no. 5120

SMT-Stencil cleaner "Fast Drying" and "Ready-To-Use"
(including automatic equipment)

Electronics cleaner:

Water-based with solvent additives, neutral / Short drying time (very quick drying)
(Free from short-chain alcohols: isopropyl alcohol, methyl alcohol, etc...) / Low VOC

WEEE/RoHS-compliant



APPLICATION AREAS:

- Higher quality electronics manufacturing
- Automotive sector
- Food area
- Air and. space sector
- Medical field
- Electrical area
- Tool and mechanical engineering
- Maintenance

Packing units:

1 liter in Hand spray bottles

Jerrycans with 5 and 20 litres, other packing sizes on request

EMIL OTTO
Flux- und Oberflächentechnik GmbH
D-65346 Eltville – Eltviller Landstr. 22

Tel.: +49 (0)6123 / 70 46 0 – Fax: +49 (0)6123 / 70 46 15



The above described attributes are average values. They are meant solely for your information and are no specifications as such. These instructions of use are without obligation and do not exempt our customers from their own trials of suitability for their own purposes.